26th Year
No. 33

UNIVERSITY of TORONTO Bulletin

A publication of The University News Bureau, 45 Willcocks Street (928–2102)

FRIDAY
27th APRIL
1973

COMING EVENTS

APRIL

27 FRIDAY

Colloquium *Chemistry* — "The Chemistry of C–6(7) Substituted Penicillins and Cephalosporins". Dr. B. G. Christensen, Merck, Sharp and Dohme Research Laboratories. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

Seminar *Medicine* — "Studies of Nickel Metabolism in Man". Dr. Michael McNeely, Newington, Conn. 351 Banting Institute. 2 p.m. (SGS and Clinical Biochemistry)

Music — Concert by the Intermediate Orchestra, directed by Jack Montague, assisted by Lorna Glover. Unitarian Church, 175 St. Clair Ave. W. 8.15 p.m. (Royal Conservatory of Music)

Supper — Faculty Club Buffet Supper. Reception 5.30–6 p.m. Buffet 6–8.30 p.m.

29 SUNDAY

Service — Vespers Service – Music by Morley, Near, Alcock and Tomkins. Massey College Chapel. 5 p.m. Visitors welcomed.

30 MONDAY

Lecture *Medicine* — "Carbohydrate Metabolism of the Ischemic Working Rat Heart". Dr. M. Rovetto, Department of Physiology, the Milton's Hershey Medical Center, Penn. 351 Banting Institute. 2 p.m. (SGS and Clinical Biochemistry)

MAY

1 TUESDAY

Seminar *Medicine* — "Cellular Interaction in the Immune Response". Dr. B. Argyris, Department of Microbiology, Upstate Medical Center, N.Y. 7231 Medical Sciences Building. 1.30 p.m. (SGS and Clinical Biochemistry)

2 WEDNESDAY

Lectures *Pollution* — "Health Hazards of Asbestos". Dr. Irving J. Selikoff, Department of Community Medicine, Mount Sinai School of Medicine, CUNY. Medical Sciences Auditorium. 8 p.m. (Preventive Medicine and York-Toronto Tuberculosis and Respiratory Disease Association)

Medicine — "Transfer of Reducing Equivalents across the Mitochondrial Membrane". Dr. A. J. Meijer, Johnson Research Foundation, Philadelphia. 4279 Medical Sciences Building. 4 p.m. (Biochemistry)

Convocation — Victoria University Convocation and Emmanuel College Graduation. Convocation Hall. 8 p.m.

Tea — Spring tea at the home of President and Mrs. John Evans, 93 Highland Ave. 1.30 to 4.30 p.m. with fashions by Patricia White and hats by Georgena Spearn. Donations in aid of camping program. Bring your friends. (Women's Auxiliary of University Settlement)

3 THURSDAY

Lecture *Archaeology* — "The Ancient City of Stobi". Dr. James R. Wiseman, Professor of Classics, University of Texas at Austin. Lecture Room, McLaughlin Planetarium. 4.30 p.m. (Toronto Society, Archaeological Institute of America)

Seminar *Pollution* — "Epidemiological Aspects of Asbestos Exposure". Dr. Irving J. Selikoff. 2172 Medical Sciences Building. 9.30 a.m. (Preventive Medicine and York-Toronto Tuberculosis and Respiratory Disease Association)

Conference — Mill Centenary Conference 1773–1873–1973, in memory of James Mill and John Stuart Mill. May 3–5. Registration $25 includes banquet on May 3 and two lunches. For registration forms and further information, write Dean Francess G. Halpenny. Faculty of Library Science, U of T.

4 FRIDAY

Colloquium *Chemistry* — "Dynamics of Chain Molecules". Prof. W. H. Stockmayer, Dartmouth College. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

9 WEDNESDAY

Colloquium *Chemistry* — "Oxygen-carrying Metal Complexes". Prof. L. Vaska, Clarkson College of Technology. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

10 THURSDAY

Lecture *Medicine* — "The Molecular Basis of Antibody Specificity". Dr. J. R. Knowles, Department of Chemistry, Oxford University. 3154 Medical Sciences Building. 4 p.m. (SGS and Biochemistry)

Seminar *Medicine* — "Structural and Biochemical Observations on Intercellular Junctions". Dr. Daniel Goodenough, Harvard Medical School. 417 Best Institute. 2 p.m. (Banting and Best)

More generous student awards now available

One student awards officer called it "Christmas in April". Another was "overwhelmed" by the generosity of its provisions. The Council of Ontario Universities reports these comments in describing recent revisions to the Ontario Student Awards Program (OSAP) announced by the Ontario government.

The COU has provided this summary of the changes:

An improved parental contribution table has increased the basic family allowance from $1800 to $4000. Married students need no longer pay OHIP premiums, and their contribution to educational expenses from their summer earnings has been reduced. The miscellaneous allowance has been increased to $9.80 per week. Students living at home will be allowed $18.25 per week for board and lodging. A student who has worked at least two full years, and who wishes to be financially independent of his par-

(*Continued overleaf*)

UTSA seeking members' help

The University of Toronto Staff Association has announced a program of activities which include:

Commenting and presenting briefs on all matters before the Governing Council which are of interest to its membership;

Continuing to assist in the resolution of individual problems on a case by case basis;

Continuing to publish a monthly *Newsletter* for the information of the membership;

Preparing a handbook of the University's facilities;

Preparing a "layman's guide" to the Pension Plan;

Organizing social events for the enjoyment of the membership.

In order to undertake these and other activities, the Staff Association is seeking members to provide ideas, complaints, information, and help on committees to prepare briefs.

Membership is open to all University staff. Application forms are available from the UTSA office, 158 St. George Street, telephone 928–8844.

MAY 3 DEADLINE

University of Toronto Bulletin is published by the University News Bureau, 45 Willcocks Street. Except for bona fide emergencies, all material for the next issue should have been in the hands of the editor, Mrs. Winogene Ferguson (928–2102) by noon yesterday. The next editorial deadline is noon, May 3.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Friday, April 27

Jerry Mussio, Department of Educational Theory. "A Modification to Lord's Model for Tailored Tests". Thesis supervisor: Prof. R. Traub. Round Room, Massey College. 10 a.m.

Ogbu Uke Kalu, Department of History. "The Jacobean Church and Essex Puritans: A Regional Study on the Enforcement of Church Discipline and on the Survival of Puritan Nonconformity, 1603–1628". Thesis supervisor: Dr. E. E. Rose. Room 201, 65 St. George Street. 10 a.m.

Mrs. Junette Douglin, Department of Educational Theory. "Nurse Educators' Receptivity to Educational Change: An Empirical Study". Thesis supervisor: Prof. E. Harvey. Room 107, 16 Hart House Circle. 10 a.m.

Monday, April 30

R. B. Cochran, Department of English. "Unmakable Love: A Study of the Plays of Samuel Beckett". Thesis supervisor: Prof. F. J. Marker. Room 107, 16 Hart House Circle. 2 p.m.

Robert King, Department of Educational Theory. "Personality and Behavioral Correlates of the Conceptual Level Matching Model with Vocational Secondary School Students". Thesis supervisor: Prof. D. Shipe. Round Room, Massey College. 2 p.m.

Patrick Michael Grady, Department of Political Economy. "The Canadian Exemption from the United States Interest Equalization Tax". Thesis supervisor: Prof. T. A. Wilson. Room 108, 16 Hart House Circle. 2 p.m.

Tuesday, May 1

Paul F. W. Rutherford, Department of History. "The New Nationality, 1864–1897: A Study of the National Aims and Ideas of English Canada in the Late Nineteenth Century". Thesis supervisor: Prof. D. G. Creighton. Room 108, 16 Hart House Circle. 2 p.m.

Mark David Kankam, Department of Electrical Engineering. "A Study of the Harmonics in Synchronous Motor Operation". Thesis supervisor: Prof. G. R. Slemon. Room 107, 16 Hart House Circle. 2.30 p.m.

Wednesday, May 2

Mrs. Sandra R. Palef, Department of Psychology. "On Seeing and Hearing Simultaneously: Divided Attention Within and Between Modalities". Thesis supervisor: Prof. B. B. Murdock. Round Room, Massey College. 2 p.m.

James Bews Kerr, Department of Physics. "Spectrographic Ozone Measurement in the Atmosphere". Thesis supervisor: Prof. A. W. Brewer. Room 107, 16 Hart House Circle. 2 p.m.

Gregory Gordon Butler, Department of Music. "The Canonic Sequence in Theory and Practice: A Musical-Rhetorical Study of its Origins, and Development in Keyboard Music to 1750". Thesis supervisor: Prof. M. R. Maniates. Room 310, Edward Johnson Building. 4 p.m.

Uwe Ackerman, Department of Electrical Engineering. "Patterns and Rates of Distribution of Extra-Cellular Fluid and Their Role in Fluid Volume Regulation in the Body". Theses supervisor: Prof. E. Llewellyn Thomas. Room 107, 16 Hart House Circle. 9.30 a.m.

Joseph Schaafsma, Department of Political Economy. "An Econometric Analysis of the Demand for Higher Education in Canada with Special Emphasis on the Investment and Consumption Aspects". Thesis supervisor: Prof. Y. Kotowitz. Room 201, 65 St. George Street. 2.45 p.m.

Arthur N. Sheps, Department of History. "English Radicalism and Revolutionary America". Thesis supervisor: Prof. W. H. Nelson. Choir Room, Massey College. 2 p.m.

Thursday, May 3

Wai Yuen Ng, Department of Physics. "Microscopic Approach to the Theory of Nuclear Rotation". Thesis supervisor: Prof. L. E. H. Trainor. Room 108, 16 Hart House Circle. 10 a.m.

Trevor Williams, Department of Educational Theory. "Cultural Deprivation and Intelligence: Extensions of the Basic Model". Thesis supervisor: Prof. W. Spady. Room 108, 16 Hart House Circle. 2 p.m.

Daniel Williman, Centre for Medieval Studies. "The Books of the Avignonese Popes and Clergy: A Repertory and Edition of the Book-Notices in the Vatican Archives, 1287–1420". Thesis supervisor: Prof. Leonard Boyle. Room 201, 65 St. George Street. 2 p.m.

Robert James Williams, Department of Political Economy. "Political Recruitment in Ontario: A Study of the Twenty-Eighth Parliament". Thesis supervisor: Prof. Paul W. Fox. Round Room, Massey College. 2 p.m.

J. H. Slan, Department of English. "System and Symbol: The Relationship of W. B. Yeats's Poetry and Prose". Thesis supervisor: Prof. H. N. Frye. Room 107, 16 Hart House Circle. 2 p.m.

Daniel Boh, Department of Botany. "Parasitic Fungi of East Africa". Thesis supervisor: Prof. R. Cain. Choir Room, Massey College. 2 p.m.

Friday, May 4

Miss Marjorie Arikado (Goldthorpe), Department of Educational Theory. "Status Variables Related to Team Teacher Satisfaction in the Open Plan School". Round Room, Massey College. 2 p.m.

More generous student awards

(*Continued from page 1*)

ents, can apply for independent status, and hence increased loan support, under the Canada Student Loans Plan. Exemptions for academic awards will be allowed up to the level of tuition and incidental fees, a sharp increase from the previous $150 limit.

The number of $100 bursaries available to financially-pressed grades 12 and 13 students has been doubled. Part-time students will have easier access to bank loans, and institutions will be encouraged to allow these students to spread tuition payments of $50 or more over the length of their courses. Three million dollars has been allocated to provide 1300 Ontario Graduate Fellowships. In addition, universities will continue to provide bursaries from operating funds until August, 1974, to offset the third term graduate fee.

The effects of the revisions to OSAP are difficult to forecast, the COU says. Nevertheless, great optimism exists that they will enable many students, who might otherwise have discontinued formal studies, to undertake or continue their post-secondary educations. Since only a small minority of students leave university for financial reasons, it would be simplistic to assume that enrolments will increase significantly as a result of the revisions to OSAP. Still, many students who did drop out, for whatever reasons, were frequently deterred from enrolling again because of the burdensome financial commitments necessary to continue their educations.

The announced revisions to OSAP should go far toward restoring a confidence in the awards program which had noticeably deteriorated over past years. Experience shows, however, that no scheme, no matter how generous, can effect increased accessibility to post-secondary education unless parents and students are aware of the financial aid which is available. Reaching those parents and students will now be the chief task both of government and the post-secondary institutions.

Farley Mowat seeks a University 'lover' for his retreat in the Magdalen Islands

Farley Mowat, award-winning author, U of T graduate of 1949, who receives an honorary LL.D. from his alma mater on June 5, in a letter to the *Bulletin* says he is looking for "a lover for my Magdalen Island hide-out" and thinks it would be ideal for a member of the University community.

The rebuilt farm house on 10 acres of rolling meadows at the extreme northeast tip of the Magdalen Islands is "as far as possible from tourists and others such", Mr. Mowat writes. There's a private sand beach, a newly built chalet "with a tremendous view", suitable for a couple (but without water laid on), and "a garden if anyone wants to bother". A good road leads to the airport and the town of Grindstone, and there is excellent ferry and air service to Prince Edward Island and thence to the mainland.

"Needless to say", Mr. Mowat continues, "the house and chalet are fully furnished. House has a 'phone, if anyone is mad enough to want to be tied to Mother Bell's umbilicus. Available for the entire summer, starting now and ending at Christmas".

If interested, write to Farley Mowat, Port Hope, Ontario.

Accommodation

Central Toronto, house one mile north of University, 3 bedrooms, 2 studies, 1½ baths, fully furnished, available June 28–Sept. 4. $600, or $100 weekly. 920–8401.

Luxury upper duplex, well furnished; large living room, dining room, butler's pantry, kitchen, two bedrooms and den; 2 bathrooms; adults only. July and August; $325 per month. 920–6467.

Fully furnished 2-storey house for rent from mid-June to mid-August, 1973. Avenue Road–Eglinton area; residential street; 2 bedrooms, music room with piano, study, washer, dryer, dishwasher, stereo, color T.V., air conditioner, baby supplies, garden, fenced backyard; very close to stores and public transportation; $700 for the 2-month period. Phone 489–8018.

Near Versailles, France, residential area, fully furnished and equipped 1-bedroom apartment. Large balcony, pool, tennis, shopping centre. Available July 15–Sept. 15. $180 monthly; in July and August possibility to rent extra bedroom and bath. Telephone evenings, 922–4610.

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FRIDAY
4th MAY
1973

COMING EVENTS

MAY

4 FRIDAY

Postponed *Chemistry* — "Dynamics of Chain Molecules". Prof. W. H. Stockmayer, Dartmouth College. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

8 TUESDAY

Seminar *Science* — "Cellular Structure and Rate-Sensitive Deformation of Lead". Prof. T. H. Alden, Department of Metallurgy, UBC. 116 Wallberg Building. 3.45 p.m. (Materials Science)

9 WEDNESDAY

Colloquium *Chemistry* — "Oxygen-carrying Metal Complexes". Prof. L. Vaska, Clarkson College of Technology. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

10 THURSDAY

Lecture *Medicine* — "The Molecular Basis of Antibody Specificity". Dr. J. R. Knowles, Department of Chemistry, Oxford University. 3154 Medical Sciences Building. 4 p.m. (SGS and Biochemistry)

Seminar *Medicine* — "Structural and Biochemical Observations on Intercellular Junctions". Dr. Daniel Goodenough, Harvard Medical School. 417 Best Institute. 2 p.m. (Banting and Best)

11 FRIDAY

Colloquium *Chemistry* — "The Energetics of Enzyme Catalysis: Triosephosphate Isomerase". Dr. J. R. Knowles, University of Oxford. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

12 SATURDAY

Music — Opera Department production of *Prisoners Play*, MacMillan Theatre. 2 p.m. and 4 p.m. Other performances on May 14, 15, 16, 17, 18, 19 at 2 p.m.

Results of Spring elections are announced by SGS Council

Summary of the Minutes, Council of the School of Graduate Studies, April 17, 1973:

Report of the Dean

1. Applications for admission received in the School:

	April 15 1973	*April 15 1972*
Division I	1876	1966
Division II	2900	2953
Division III	1232	1306
Division IV	823	660
Totals	6831	6885

2. Council Election Results – Spring 1973:

Elected

Division I: Faculty: A. Saddlemyer (Drama), E. Catholy (German). Students: Allan Breismaster (English), B. E. Wall (His. & Phil. of Sc. & Tech.).

Division II: Faculty: W. F. Berns (Political Economy), F. G. Halpenny (Library Science). Student: F. L. Fletcher (Management Studies).

Division III: Faculty: R. S. C. Cobbold (Bio-Medical Electronics), W. H. Rapson (Chem. Engineering). Students: M. D. Costa (Chemistry), D. J. Wren (Chemistry).

Division IV: Faculty: H. E. Johns (Medical Biophysics), B. Cinader (Immunology). Students: No candidates nominated.

Byron Wall tendered his resignation to Council. He will not be returning to the University of Toronto next year.

Divisional Nominating Committee Reports

Council received, for information, the Reports of the Nominating Committees as approved by the Divisions:

Division I: Associate Dean: R. A. Spencer (History);

Executive Committee: Faculty: W. F. Blissett* (English); E. Catholy* (German); J. B. Conacher* (History); J. F. Flinn* (French); C. Hamlin (Comparative Literature); J. M. Rist* (Classical Studies); A. Saddlemyer* (Drama); A. K. Warder (Sanskrit & Indian Studies); J. W. Wevers (Near Eastern Studies); F. E. Winter (History of Art); Assessors: S. B. Chandler (Italian & Hispanic Studies); L. M. Kenny (Islamic Studies); Students: Allan Briesmaster* (English); B. E. Wall* (Hist. & Phil. of Sc. & Tech.).

Degree Committee: H. E. Bowman (Slavic Languages & Literatures); J. F. Burke (Italian & Hispanic Studies); J. M. Estes (History); E. W. Domville (English); L. Klein (Music); R. W. Leckie (Medieval Studies); T. H. Levere (History & Philosophy of Sc. & Tech.); B. K. Matilal (Sanskrit & Indian Studies); A. H. C. Ward (East Asian Studies); F. F. Wilson (Philosophy);

(*Continued overleaf*)

Safety record is much better in first quarter

James H. Murphy, Chief Safety Officer, reports a substantial improvement in the University's safety record during the first quarter of 1973.

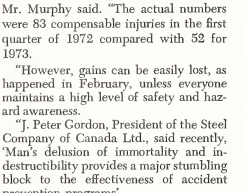
"Comparing January, February and March of 1972 with the same months of 1973, there has been a reduction of almost 40% in total compensable injuries (Lost Time and Medical Aid cases)", Mr. Murphy said. "The actual numbers were 83 compensable injuries in the first quarter of 1972 compared with 52 for 1973.

"However, gains can be easily lost, as happened in February, unless everyone maintains a high level of safety and hazard awareness.

"J. Peter Gordon, President of the Steel Company of Canada Ltd., said recently, 'Man's delusion of immortality and indestructibility provides a major stumbling block to the effectiveness of accident prevention programs'.

"All of us feel we have absolute control over everything we do but accidents continue to occur and the injured is always surprised that it happened to him. Our performance in January and March shows what can be done, but we must never lose sight of our continuing safety objectives".

Number of Compensable Accidents for First Three Months of 1972 and 1973



Going to London?

Members of the academic staff who plan to visit London between June 1 and November may find it useful to have their names, departments, and London mailing addresses on a list of academic visitors circulated each year by the Association of Commonwealth Universities. Deadline is May 22 for receipt of this information by T. Craig of the A.C.U., 36 Gordon Square, London WC1H OPF. An alternative would be to visit Gordon Square on arrival and sign the Visitors' Book.

SGS Council election results

(*Continued from page 1*)

Assessors: M. E. Marmura (Islamic Studies); H. Rogers (Linguistic Studies).

Division II:

Executive Committee: Faculty: W. F. Berns* (Political Economy); W. A. Bourke (Social Work); W. P. Carstens (Anthropology); J. Ll. J. Edwards (Criminology); F. G. Halpenny* (Library Science); H. K. Nishio* (Sociology); J. Spelt* (Geography); G. Hodge* (Urban and Regional Planning); J. G. Scott* (Educational Theory); W. R. Waters (Management Studies); Student: F. L. Fletcher* (Management Studies).

Degree Committee: R. B. Drewitt (Anthropology); I. M. Drummond (Political Economy); E. R. Godfrey (Social Work); J. Hitchcock (Urban & Regional Planning); O. W. Main (Management Studies); D. Mendes da Costa (Law); I. K. McLean (Library Science); D. A. Roberts (Educational Theory); J. Simmons (Geography); J. L. Turk (Sociology).

Division III:

Executive Committee: Faculty: G. Burns (Chemistry); R. S. C. Cobbold* (Electrical Engineering); D. G. Corneil (Computer Science); R. G. Fenton (Mechanical Engineering); W. H. Rapson* (Chemical Engineering); H. S. Ribner* (Aerospace); S. H. Smith* (Mathematics); J. G. C. Templeton (Industrial Engineering); S. M. Uzumeri* (Civil Engineering); H. W. Taylor* (Physics); Students: M. D. Costa* (Chemistry); B. F. Madore (Astronomy); D. J. Wren (Chemistry).

Degree Committee: E. P. Botta (Mathematics); M. J. Clement (Astronomy); M. M. Davis (Civil Engineering); A. J. Kravetz (Electrical Engineering); R. List (Physics); D. Mackay (Chemical Engineering); G. H. Schmid (Chemistry); P. A. Sullivan (Aerospace); E. V. Svenson (Computer Science); B. Tabarrok (Mechanical Engineering).

Division IV: Associate Dean: Leonard Butler (Zoology) – Renewal.

Executive Committee: Faculty: G. H. Beaton* (Hygiene); B. Cinader* (Immunology); D. W. Clarke (Physiology); J. E. Cruise* (Botany); H. E. Johns* (Medical Biophysics); G. E. Macdonald (Psychology); E. A. McCulloch* (Medical Science); P. Seeman* (Pharmacology); N. Z. Stanacev (Clinical Biochemistry); A. M. Zimmerman (Zoology); Students: F. Carmichael (Pharmacology); G. Lazarowitz (Botany); J. C. Rice (Zoology); R. Whiting (Medical Biophysics).

Degree Committee: R. M. Baxter (Pharmacy); E. G. Bertram (Anatomy); H. M. Carpenter (Nursing); C. D. Dunkley (Food Sciences); L. Endrenyi (Pharmacology); J. L. Farrar (Forestry); B. S. L. Kidd (Medical Science); A. R. TenCate (Dentistry); W. Thompson (Biochemistry); M. Vranic (Physiology).

*Council members

ISC travel program

The International Student Centre has announced a summer travel program as follows:

Victoria Day weekend–May 18–22; includes three nights at the Ambassador Hotel in Washington; round trip on air-conditioned bus; guided tour of the city; cost $50; buses leave the ISC at 7 p.m. on Friday, May 18 and return at 11 p.m. on May 22.

Make reservations immediately at ISC office between 9 and 5 as space is limited. A $15 deposit is required.

Two additional trips are being organized:

New York City–Friday, June 29 to Tuesday, July 3; cost approximately $55;

Montreal–Friday, Aug. 3 to Monday, Aug. 6. Book early for these trips too.

U of T professors win concrete canoe race

Two professors, Cameron Kennly, chairman of Civil Engineering, and Kenneth Selby, also of Civil Engineering, paddled a ferroconcrete canoe built by U of T students in only six hours in the middle of exam time, to first place in a fleet of 30 in an international concrete canoe contest in Indiana last Saturday.

Three U of T student teams, each paddling the same canoe, won five of eight races to average third. Their jubilation was all the greater when they learned that the University of Michigan team that won the student events was composed of naval architecture students trained specially for the event under an Olympic bronze medallist. The U of T student teams had had only several half-hour paddles on Grenadier Pond in High Park.

The victory bodes well for the future. The canoe, weighing about 120 pounds, was far heavier and stronger than it needed to be and used only $33 worth of materials. Prof. John Timusk, Civil Engineering, one of the inventors of the new process used to build it, estimates the cost of materials might with more time and care be reduced to half that figure. A patent has been applied for on behalf of the University.

Too late—that island hideaway is rented

Readers who responded to Farley Mowat's offer of a retreat in the Magdalen Islands, published in the *Bulletin* of April 27, will be interested in this letter from the author:

"I am inundated! Word of mouth about my place in the Maggies has already spread, and I have rented it for most of the summer. So if you can halt the piece in the Bulletin, I'd be oh so happy. The world must be crazy – I have the feeling that everyone wants to go hide on an island. Crazy? No, bye – smart!"

Unfortunately, Mr. Mowat's letter arrived at the News Bureau an hour after the *Bulletin* was on its way to the University community.

Ph.D. Orals

Friday, May 4

Michael Brooke, Department of Educational Theory. "An Investigation of Certain Factors Contributing to Dropping Out in an Ontario Adult Basic Education Program". Thesis supervisor: Prof. A. Thomas. Round Room, Massey College. 10 a.m.

James A. Stark, Department of Music. "The Rise of Virtuoso Singing". Thesis supervisor: Prof. H. J. Ohnick. Room 310, Edward Johnson Building. 4 p.m.

Shalom Gewurtz, Department of Physics. "Brillouin Scattering in Solid Argon". Thesis supervisor: Prof. B. P. Stoicheff. Room 108, 16 Hart House Circle. 10 a.m.

Michael John Hodgson, Department of Geography. "Highway Network Development and Change in the Toronto Centred Region". Thesis supervisor: Prof. R. MacKinnon. Choir Room, Massey College. 10 a.m.

L. A. Garber, Department of English. "Bloomsbury Biography". Thesis supervisor: Prof. S. P. Rosenbaum. Room 201, 65 St. George Street. 2 p.m.

Jerome Cybulski, Department of Anthropology. "Sk.Eletal Variability Among Coastal Indian Populations". Thesis supervisor: Prof. J. E. Anderson. Choir Room, Massey College. 2 p.m.

William Wu, Department of Political Economy. "Polycommunalism and Nativization: A Comparative Study of Bureaucratic Transition in Sarawak and Sabah". Thesis supervisor: Prof. M. Brownstone. Room 108, 16 Hart House Circle. 2 p.m.

Monday, May 7

Mrs. Elizabeth Jarvis, Department of Educational Theory. "Auditory Patterns of Primary School Children". Thesis supervisor: Prof. J. McInnes. Round Room, Massey College. 10 a.m.

Mrs. Gail Regan, Department of Educational Theory. "The Experience of the Classroom: An Action Theory Model of the Schooling Process". Thesis supervisor: Prof. A. Effrat. Room 108, 16 Hart House Circle. 2 p.m.

Miss Marlene Scardamalia, Department of Educational Theory. "Mental Processing Aspects of Two Formal Operational Tasks: A Developmental Investigation of a Quantitative Neo-Piagetian Model". Thesis supervisor: Prof. Carl Bereiter. Choir Room, Massey College. 2 p.m.

Miss Lily Chin Ling Lee, Department of Chemistry. "The Reactions of Halite Ions in Alkaline Solution". Thesis supervisor: Prof. M. W. Lister. 128 Lash Miller Building. 2 p.m.

G. H. Iles, Department of Electrical Engineering. "Application of Freeze-Fracture to the Study of Membrane Ultrastructure". Thesis supervisor: Prof. P. Seeman. Room 201, 65 St. George Street. 10 a.m.

Mrs. Ruth Pike, Department of Educational Theory. "How Children Answer Questions about Perceived Events, Pictures and Sentences". Thesis supervisor: Prof. D. R. Olson. Choir Room, Massey College. 10 a.m.

Mrs. Irina Evreinova, Department of Slavic Languages & Literatures. "Negation in the Russian Language System". Thesis supervisor: Prof. D. C. Huntley. Room 107, 16 Hart House Circle. 10 a.m.

Hung Hay Lau, Department of Political Economy. "An Evaluation of the Economic Impact of Continental Free Trade in Used Cars on Employment in the Canadian Automobile Industry". Thesis supervisor: Prof. T. A. Wilson. Round Room, Massey College. 2 p.m.

Thursday, May 10

Robert Roy Baker, Department of Biochemistry. "Metabolism of Fatty Acids in Rat Brain Phospholipids". Thesis supervisor: Prof. W. Thompson. Room 108, 16 Hart House Circle. 10 a.m.